FIG. 1

A Processing Device Using the Basic-Administrative-Tasks Software Program

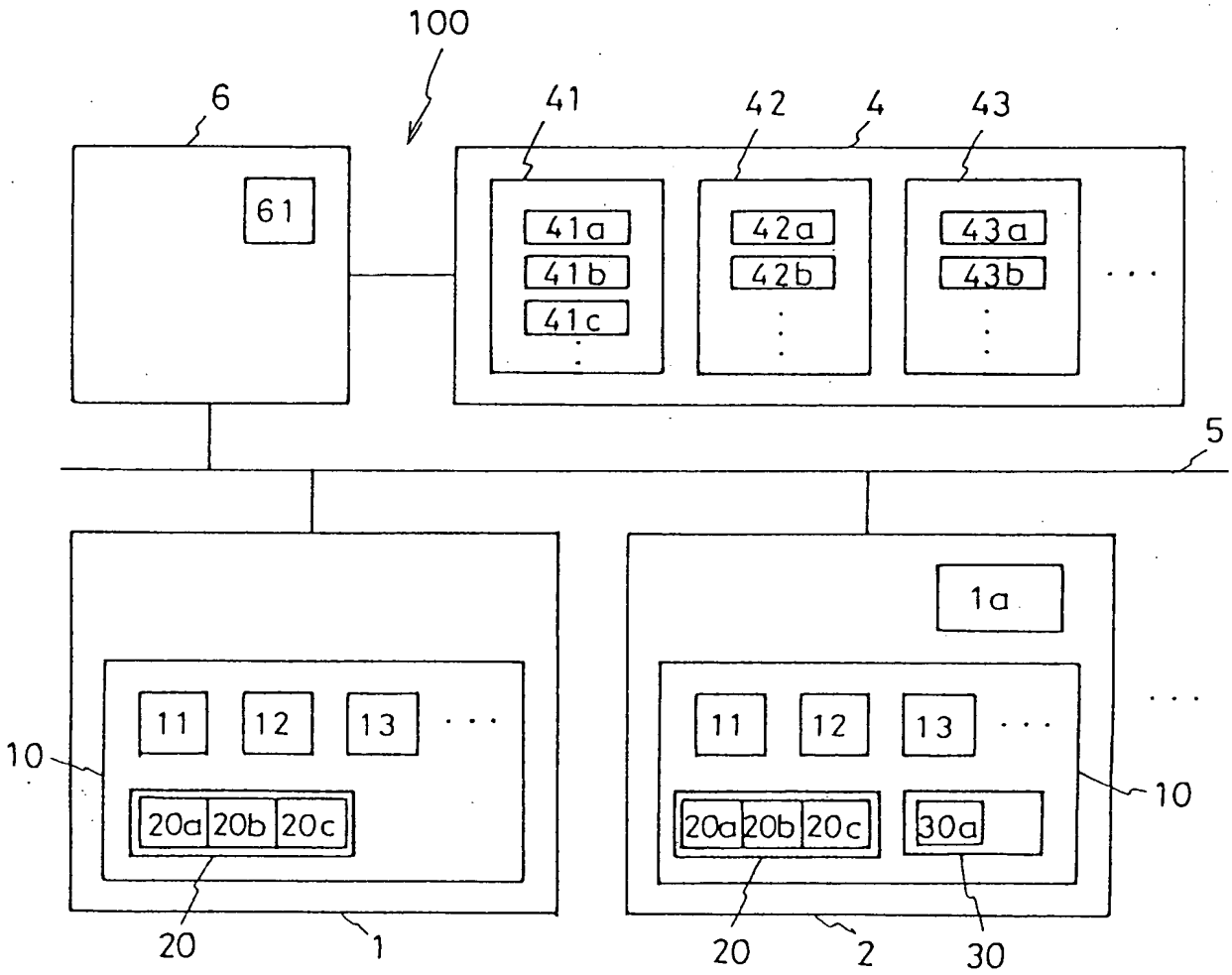

FIG. 2

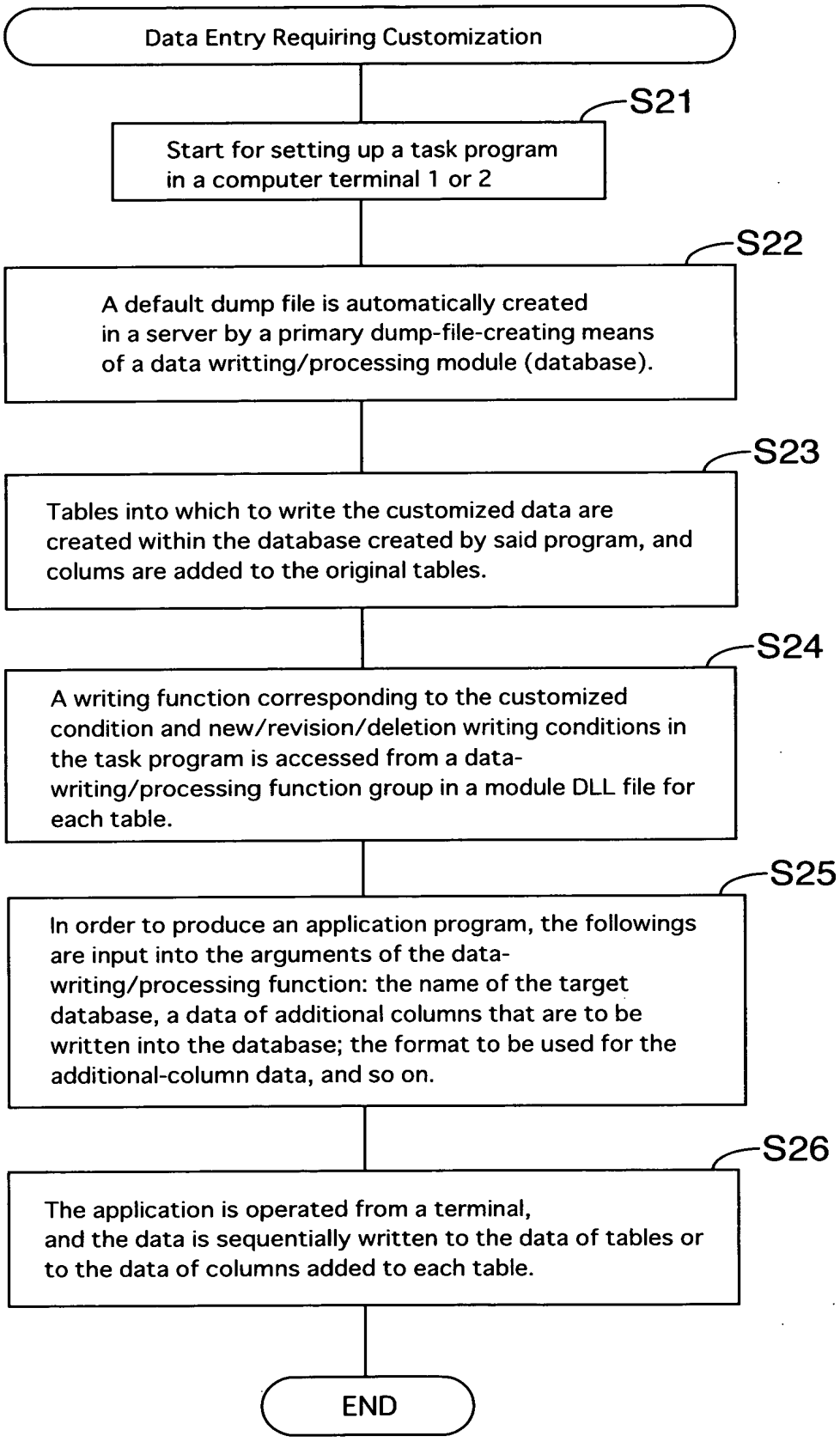
Data Entry Requiring Customization
S21
Start for setting up a task program in a computer terminal 1 or 2
S22
A default dump file is automatically created in a server by a primary dump-file-creating means of a data writting/processing module (database).
S23
Tables into which to write the customized data are created within the database created by said program, and colums are added to the original tables.
S24
A writing function corresponding to the customized condition and new/revision/deletion writing conditions in the task program is accessed from a data-writing/processing function group in a module DLL file for each table.
S25
In order to produce an application program, the followings are input into the arguments of the data-writing/processing function: the name of the target database, a data of additional columns that are to be written into the database; the format to be used for the additional-column data, and so on.
S26
The application is operated from a terminal, and the data is sequentially written to the data of tables or to the data of columns added to each table.
END

FIG. 3

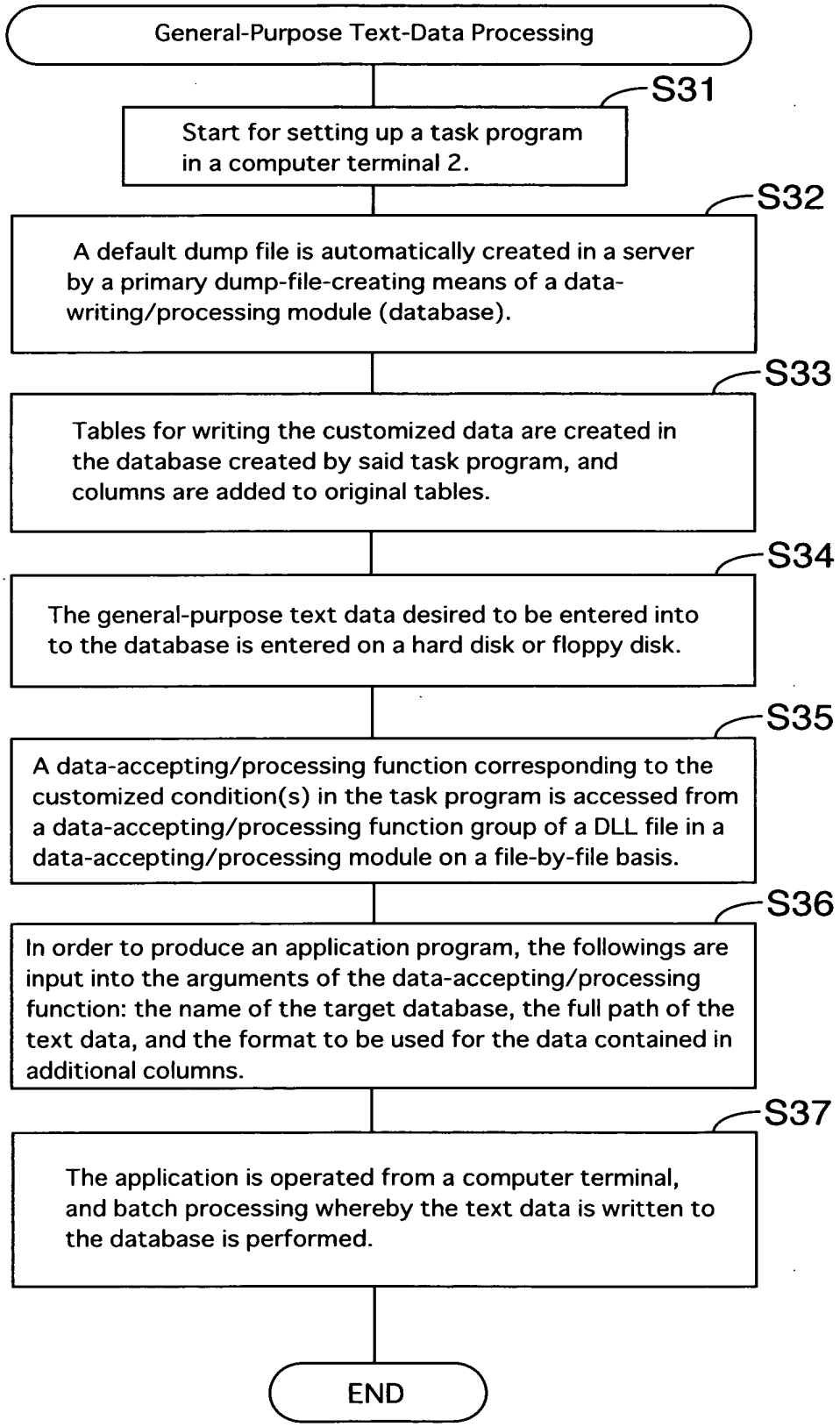
General-Purpose Text-Data Processing
S31
Start for setting up a task program in a computer terminal 2.
S32
A default dump file is automatically created in a server by a primary dump-file-creating means of a data-writing/processing module (database).
S33
Tables for writing the customized data are created in the database created by said task program, and columns are added to original tables.
S34
The general-purpose text data desired to be entered into to the database is entered on a hard disk or floppy disk.
S35
A data-accepting/processing function corresponding to the customized condition(s) in the task program is accessed from a data-accepting/processing function group of a DLL file in a data-accepting/processing module on a file-by-file basis.
S36
In order to produce an application program, the followings are input into the arguments of the data-accepting/processing function: the name of the target database, the full path of the text data, and the format to be used for the data contained in additional columns.
S37
The application is operated from a computer terminal, and batch processing whereby the text data is written to the database is performed.
END

FIG.4

(1) Sales-Slip Data Writing Function (new sales slip)

New-registering function of a sales slip (a)

Kind of function (the number of an argument list is shown inside of the brackets)

	normal slip	relay slip	consumer-tax slip
Case where columns are added to both the head part and details part of the slip.	D04__ERP__Wrt1 【①②③④⑤⑥⑦⑧⑨⑩】	D04__ERP__RelayWrt1 【same as left】	D04__ERP__TaxWrt1 【①②③④⑤⑦⑧⑨⑩】
Case where columns are added to only the head part of the slip.	D04__ERP__Wrt2 【①②③④⑤⑥⑦⑩】	D04__ERP__RelayWrt2 【same as left】	D04__ERP__TaxWrt2 【①②③④⑤⑦⑩】
Case where columns are added to only to only the details part of the slip.	D04__ERP__Wrt3 【①②③⑥⑦⑧⑨⑩】	D04__ERP__RelayWrt3 【same as left】	D04__ERP__TaxWrt3 【①②③⑦⑧⑨⑩】
Case where no columns are added.	D04__ERP__Wrt4 【①②③⑥⑦⑩】	D04__ERP__RelayWrt4 【same as left】	D04__ERP__TaxWrt4 【①②③⑦⑩】

(2) List of the Group's Arguments

	argument	content	notes
①	ByVal strDBNM As String	name of target database	hdt0001～hdt1000
②	ByVal intinpChk As Integer	whether the content of items not to require inputting is checked or not	0: Yes 1: No
③	ByVal strOBC__H__Data As String	slip-head data	
④	ByVal strH__Add__Data As String	slip-head additional data	To be set according to the information concerning the order and length of the argument ⑤
⑤	ByRef udtH__Add__Form() As COLUM__FORM__W	a slip head/an additional style	Contents are COLUM_FORM_W × the number of additional columns
⑥	ByVal intMeiGyoSu As Integer	the number of writing detailed columns	1～99
⑦	ByVal strOBC__M__Data As String	sales-slip detailed head data	
⑧	ByVal strM__Add__Data As String	slip-details additional data	To be set according to the information concerning the order and length of the factor ⑨
⑨	ByRef udtM__Add__Form() As COLUM__FORM__W	slip details additional style	Contents are COLUM_FORM × the number of additional columns
⑩	ByRef udtRetData As RET__DATA	for storing the serial number and the slip number of the registered slip	To be set on a DLL side at the time of normal slip registration

FIG.5

(1) Sales-Slip-Registering Function (revision and deletion of sales slip)

Sales slip revision registering function (b)

Kind of function (inside of the bracket shows number of a argument list)

	normal slip	relay slip	consumer tax slip
Case where columns are added to both the head part and details part of the slip.	D04_ERP_ReWrt1 【①②③④⑤⑥⑦⑧⑨⑩】	D04_ERP_RelayReWrt1 【same as left】	D04_ERP_TaxReWrt1 【①②③④⑤⑦⑧⑨⑩】
Case where columns are added to only the head part of the slip.	D04_ERP_ReWrt2 【①②③④⑤⑥⑦⑩】	D04_ERP_RelayReWrt2 【same as left】	D04_ERP_TaxReWrt2 【①②③④⑤⑦⑩】
Case where columns are added to only to only the details part of the slip.	D04_ERP_ReWrt3 【①②③⑥⑦⑧⑨⑩】	D04_ERP_RelayReWrt3 【same as left】	D04_ERP_TaxReWrt3 【①②③⑦⑧⑨⑩】
Case where no columns are added.	D04_ERP_ReWrt4 【①②③⑥⑦⑩】	D04_ERP_RelayReWrt4 【same as left】	D04_ERP_TaxReWrt4 【①②③⑦⑩】

(2) Argument list

	argument	contents	notes
① ~ ⑨	(same as the new registering function for a slip)		
⑩	ByVal strTosiNo As Strings	serial number of a slip to be revised	Fixed at the length 10

(3) Sales slip deleting function (c)

Kind of function (inside of the bracket shows the number of a argument list)

	normal slip	relay slip	consumer-tax slip
all cases	D04_ERP_Del 【①②】	D04_ERP_RelayDel 【same as left】	D04_ERP_TaxDel 【same as left】

(4) Argument list

	argument	contents	notes
①	ByVal strDBNM As String	name of target database	hdt0001~hdt1000
②	ByVal strTosiNo As String	the serial number of the slip to be revised	Fixed at the length 10

FIG.6

Sales-slip--- Head Data Required for Initial Entry or Revision of Sales-slip (set in the argument ③)

A. Data related to setting (set at a front of the header data)

* set only at the time of new registration (started from B at the time of revision)

	item	setting contents	length
1	system number(setting)	0: not exist 1: exist	1byte
2	slip number(setting)	0:month's serial number 1:year's serial number 2:manual input	1byte
3	serial number information writing	0:Yes 1:No	1byte

B. Header data(A is set at the front at the time of new registration)

	item	setting contents	length
1	slip division	0: charge sales 1: cash sales 2: credit	1byte
2	sales date	year, month, and day are set by 2 digits	6byte
3	bill date	year, month, and day re set by 2 digits	6byte
4	slip number	0 is set when the slip number does not exist	6byte
5	customer code	codes which does not omitted for displaying	13byte
6	customer information (notification of the tax amount)	0: detailed part unit 1: bill unit 2:tax free 3:slip unit	1byte
7	code of person in charge	4 digits, space when it is not set	4byte
8	abstract name/spot customer name	A spot customer name is set when the customer code is "0000000000000".	30byte
9	code of credit company	To be set when the slip division is "2:credit", otherwise spaced	4byte
10	user name	"domain name¥user name" or "computer name¥user name"	36byte

FIG.7

Sales-slip---Detailed Data Required for Initial Entry or Revision of Sales-slip Data (set in argument ⑦)

C. detailed data (set in a form to be repeated by the number of detailed columns)

	item	setting contents	length
1	sales division	0:sales 1:return 2:discount 3:incidental sales 4:incidental expenses 5:fare 6:abstract 7:consumer tax	1byte
2	merchandise code	codes not omitted for displaying	13byte
3	merchandise name		36byte
4	tax division	0:(tax exemption) 1-9	1byte
5	taxation division	0: tax exclusive 1: tax inclusive	1byte
6	decimal digits of quantity	0~3	1byte
7	decimal digits of unit price	0~2	1byte
8	warehouse number	_0 or space when the warehouse is not set	4byte
9	order number	only 0 is not allowed	9byte
10	arrival number	only whole numbers, 0 is regarded as not inputted	4byte
11	box number	only whole numbers, minus is allowable, 0 is regarded as not inputted, and setting is impossible when the arrival number is not inputted	5byte
12	quantity	quantity does not require setting when the arrival number and the box number are set ([11]×[12] is applied), minus is allowable, and to be inputted by within 8 digits in total including [6.decimal digit of quantity]	8byte
13	unit		4byte
14	unit price(=sales unit price)	space is regarded as 0, and to be inputted by within 9 digits in total including [7.decimal digits of unit price]	9byte
15	unit cost(=sales cost)	space is regarded as 0, and to be inputted by within 9 digits in total including [7.decimal digits of unit price]	9byte
16	sales figure(=sales detailed figure)	[12]×[14] is applied when it is spaced, only whole numbers, and minus is allowable	9byte
17	sales cost(=cost detailed figure)	[12]×[15] is applied when it is spaced, only whole numbers, and minus is allowable	9byte
18	consumer tax	space is regarded as 0, only whole numbers, and minus is allowable	8byte
19	simultaneous processing flag	space/0:not to be simultaneously processed, 1:simultaneous arrival, 2: simultaneous production	1byte

FIG. 8

Application Program for Writing a Database

```
Public  Declare  Function  DO4_ERP_Wrt1  Lib  "DO4ERP.dll"(_
                           ByVal  strDBNM  As  String,_
                           ByVal  intInpChk  As  Integer,_
                           ByVal  strOBC_H_Data  As  String,_
                           ByVal  strH_Add_Data  As  String,_
                           ByRef  udtH_Add_Form()  As COLUM_FORM_W,_
                           ByVal  intMeiGyoSu  As  Integer,_
                           ByVal  strOBC_M_Data  As  String,_
                           ByVal  strM_Add_Data  As  String,_
                           ByRef  udtM_Add_Form()  As  COLUM_FORM_W,_
                           ByRef  udtRetData  As  RET_DATA)  As Integer
```

Structure for storing information of additional columns

```
Public  Type  COLUM_FORM_W
    StrName  As  String * 129        ' column name of the data
                                      (terminal null characters are added)
    IntSQLModel  As  Integer          ' type of the data
    IntSize  As  Integer              ' size of the data (fixed length)
End  Type
```

Structure for storing the information after new registration

```
Public  Type  RET_DATA
    StrTosiNo  As  String * 11    ' serial number (terminal null characters are added).
    StrDno  As  String * 7        ' slip number (end terminal null characters are added)
End  Type
```